

## Holy Cross Laser Inlay Kits - Assembly Instructions

Please do all of the assembly on a clean sheet of paper, so if something drops, you won't lose it.



### Step 1

Remove all components from the plastic bag and place on a clean work surface. Please note that the components are small and you can lose them quite easily. The parts are also fragile and should be handled with care.

### Step 2

Take the barrel with the laser cutout and slide the brass tube (27/64) into it. At this stage, this is only to assist you with the assembly process. **Do not use glue yet.**

### Step 3

Start fitting the Cross shapes into the spaces on the barrel. The pieces will normally remain in place, but some masking tape or painter's tape will help hold them steady while you work your way around the barrel. **Do not use glue yet.**

### Step 4

Once all of the pieces are in place, wrap the entire barrel in masking tape or painter's tape.



## Step 5

Remove the brass tube and rough it up with sandpaper.

## Step 6

Coat the inside of the taped barrel assembly with glue. Many builders call for CA glue, but it sets up very quickly, so beware. I prefer to use a premium wood glue, like Titebond III. Insert the brass tube and set aside to dry.

**Note:** Make sure the brass is appropriately centered, so the final product is balanced.

## Step 7

Remove the tape and inspect. Make sure all of the pieces are firmly glued in. Adding a dab of CA glue to questionable sections won't hurt, but I rarely have any loose parts after gluing. Some artisans spread CA over the entire exterior at this point to ensure both sides are firmly connected. Use your best judgment.

## Step 8

The barrel is thin enough to turn it down to size using only sandpaper, but a shaping with turning tools is also possible. Ensure tools are sharp and be gentle.

## Step 9

Final sand a finish as you would any other wood pen and enjoy the fruits of your labor.

If you have any problems, feel free to contact me at your convenience.